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NY-LU-12	KEESPPPKVVNPLIGLLCEYGGSDYEEEEEQTPPPQPRTAQPPQKREEQTKKENEEDKLTWNKLACLLCRRQFPNKEVL	970
LUCA15	PELVNRNGDEENPLKRGLVAAYSGSDNEE.....ELVERLESEEEKLADWKMACLLCRRQFPNKDAL	662
DXS8237E	DLPKLASDDRPSPRGLVAAYSGESDSEE.....EQERGPEREKLTDWQKLACLLCRRQFPFSKEAL	233
NY-LU-12	IKHQQLSDLPKQNLFIHRKTKQSEQELAYLERERE.GKFKGRGNDRREKLQSFDSPEKRIKYSRETDs..DRKLVDKEDID	1050
LUCA15	VRHQQLSDLHKQNMDIYRRSRLSEQELEALELRERE.MKYRDRAAERREKYGIPEPPEPKRKKQFDAGTV..NYEQPTKDGID	742
DXS8237E	IRHQQLSGLHKQNLFIHRRRAHLSENELEALEKNDMEQMKYRDRAAERREKYGIPEPPEPKRKYGGIGISTASVDFEQPTRDGLG	316
NY-LU-12	TSSKGGCVQQAATGWRKGTGLGYGHPGLASSSEEAEGMRGSPSVGASGRTSKRQSNETYRDAVRRVMFARYKELD	1123
LUCA15	HSNIGNKMLQAMGWREGSGLGRKCQGITAPEAQVRLKGAGLGAKGSAYGLSGADSYKDAVRKAMFARFIEME	815
DXS8237E	SDNIGSRMLQAMGWKEGSGGLGRKKQGIPTPIEAQTRVRGSLGARGSSYGVTSYKETLHKTMVTRFNEAQ	389

Fig. 1



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100 AAGGAGGAGCGGGCCGTGGAGGCTTCGCCCCCTAGGTACTGCTATAACAGAAATTTGGTATAAAAAGGATTACTTGTGGGGCCCTCTTGATATAAAAAGA  
200 GATGTGGGGGATTCACACCTGCTAACAGAACTGCACCTTTTCGTGGGAGCCCAAGAAAGTTTCTCCCGGTGGAACAGGATTATCCTCCTCCT  
300 M M G D S R P A N R T G P Y R G S Q F E R F A P S N H R D Y P P P  
34 CCCCCTAAGAGTCAATGCTCAAGAGAGACACTCTGCGCAACTTTCCTGGCAGAGATTCACTTCCCTTTGATTCCAGGGGCAATTCGGGGCCCTCCTTTTGC  
34 P I K S R A Q E R D S G R F P G R D S L P F D F Q G H S G P P F A  
400 ATGTAGAGGAGCATTCCTTTCAGCTATGGAGCTAGAGAGGACCGCATGCTGACTATCGAGGAGGGGAGGACCTGGACATGATTCAGGGGGGGAGATT  
400 H V E E H S F S Y G A R Q G P H G D Y R G G K G P G R D F R G G D F  
500 TTCGTCCTCTGATTTCCAGAGCAGAGATTTCATCAGATTCGACTTCAGGGGTAGGAGATACATTCCTGGGATTTTCGGGATAGAGAGGACCACTATG  
500 S S S D F G S R D S S Q L D F R G R D T H S G D F R E R E G P P G  
600 GACTATAGGGGTGGAGGGTACTTCTATGGATTATAGAGGTAGGAGGACCTCATATCACTACAGAGACAGGATGCTCAGCTCTTGACTTCAGAG  
600 D Y R G G D G T S M D Y R G R E A P H H N Y R D R D A H A V D F R  
700 GTAGGGATGCTCTCCATCTGACTTCAGGGCCCGGGGACTTATGATTAGATTTTAGAGCCCGGATTTGATCCCATGCAGATTTTAGGGAAAGGATT  
700 G R D A P P S D F R G R G T Y D L D F R G R D G S R A D F R G R C L  
800 ATCAGATTTCGATTTAGGGCCAGAGAACAGTCCCGTCTCTGATTTTAGGAATAGAGATGATCTGATTTTCGACTTTAGAGACAAAGACGGAAACACAAGTA  
800 S D L D F R A R E Q S R S D F R N R D V S D L D F R D K D G T Q V  
900 GACTTTAGAGCGCGAGGTTCAAGTACTGATCTAGACTTTAGGACAGGATACGCCACATTCAGATTTCAGAGGTAGACACCGATCTAGGACTGATC  
900 D F R G R G S G T T D L D F R D R C T P H S D F R S R H R S R T D  
1000 AGGATTTAGGGCCAGACAGATGGGATCTTGTATGGAATTTAAAGATAGGAGATGCCCCCTGTGGATCCAAATATTTGGATTACATTCAGCCCTCTAC  
1000 Q D F R G R E M G S C M E F K D R E M P P V D P N I L D Y I Q P S T  
1100 ACAAGATAGAGAACATTCCTGGTATGAATGTGAACAGAGAGAGAATCCACACGACCATACGATAGAAAGCCCTGCTTTTGGCATTCAGAGGGAGAA  
1100 Q D R R E S G H N V N R R E K S T H D H T I F R P A F G I Q K G K

Fig. 2-1

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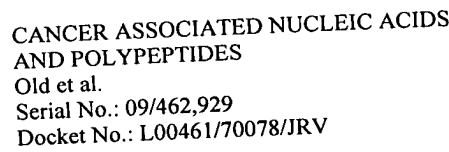
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1200  
TTTGAGCATTCAGAAACAGAGAGAAACAAAGGTGTAGCTTTGAACATGAGTCTCCACGAGACTTTTCAGAACAGCCAAAGTCCAGTTCAAGACC  
334 F E H S E T R K G E T G G V A F E H E S P A D F Q N S Q S P V Q D  
1300  
AAGATAAGTCACAGCTTTCTGGACGCTGAAGAGCAGAGTTCAGATGCTGCTGTGTTTAAAGAGCGCGGTCTGGACITTTCTTTGGCGGCAAGACACCGA  
367 Q D K S Q L S G R K K Q S S D A G L F K E E G G L D F A G R Q D T D  
1400  
TTACAGAAGCATGGAGTACCTGATGTGGATCATAGGCTGCCAGGAAGCCACAGTGTGGCTATGGCCAGAGCAAGTCTTTTCCAGAGGGCAAACTGCC  
401 Y R S N F Y R D V D H R L P G S Q N F G Y G Q S K S F P E G K T A  
1500  
CGAGATGCCCAACGGGACCTTCAGGATCAAGATTAGGACCGGCCCAAGTGAGGAGAAACCCAGCAGGCTTATTCGATTAAAGTGGGTACCTGAAGATG  
434 R D A Q R D L Q D Q D T R T G P S E K K P S R L I R L S G V P K D  
1600  
CCACAAAGAGAGATTCTTAATGCTTTTCGGACTCCTGATGGCATGCCCTGTAAAGAACTTGCAGTTGAAGAGTATAACACAGGTTACGACTATGGCTA  
467 A T K E E I R N A F R T P D G M P V K R L Q L K E Y N T G Y D Y G Y  
1700  
TCTCTGCGTGGAGTTTTCACCTCTTGGAAAGATGCCATCGGATGATCGAGCCCAACAGCCAACTCTAATGATCAGGACAAAGAAATTACCTGGAGTAT  
501 V C V E F S L L E D A I G C M E A N Q G T L H I Q D K E V T L E Y  
1800  
GTATCAAGCCTGGATTTTGGTACTGCAAAACGATGTAAGGCAACATTTGGTGGCACCGATCTTCTGTTTCATTTGCAAGAACCCCAAGAGAGTACAG  
534 V S S L D F W Y C K R C K A N I G G H R S S C S F C K N P R E V T  
1900  
AGGCCAAGCAAGAAATAACCTACCTCAGCTCAGAAACATCCATACCAGCACCATTTGGAATAACAGCCCAACAGCCCTTAAGACCAGCTGATAA  
567 E A K Q E L I T Y P Q P Q K T S I P A P L E K Q P N Q P L R P A D K  
2000  
GGAACCTGAACCCAGGAAGAGGCAAGGCAAGATCACGCTTAGACATCAAAAGAGAGAACAGAGTAFTCTGCTCTCTCTCGAAGGGAAGG  
601 E P E P R K R E E G Q E S R L G H Q K R E A E R Y L P P S R R E G  
2100  
CCAACTTCCGAAGAGACCGAGAGGGAGTCACTGCTGGAGAGACACGCGAGGATGGAGAGGCAAACTATCATGCTAAAGCGTATCTATCTGTTCCA  
634 P T F R R D R F R E S W N G E T R Q D G E S K T I M L K R I Y R S  
2200  
CACCACCTGAGGTAGTGGAGGCTGGAGCCCTATGTCCGCTTACTACTGCCAACGTCCTGATCATCAAGAACAGAGCCCTATGGGGCATAC  
667 T P P E V I V E V L E P Y V R L T T A N V R I I K N R T G P M G H T

Fig. 2-2



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701	CTATGGCTTTATGACCTCGACTCCCATGTGGAAGCTCTTCGTTGGTGAAGATCTTACAGAACTTGATCCGCCATTTAGCATTTGATGGGAAGATGGTA	2300
	Y G F I D L D S H V E A L R V V K I L Q N L D P P F S I D G K M V	
734	GCTGTAAACCTGGCCACTGGAAAACGAAAGAAATGATTCTGCCGACCATTCTGACCAACATGCATTACTATCAGGTAAATAATTTCCGAGATAGGAGGG	2400
	A V N L A T G K R R N D S G D H S D H M H Y Y Q G K K Y F R D R R	
767	GAGTGGCAGAAATTCAGACTGGTCTTCAGATACAAATCGACAAGGACAACAGTCATCACTGAGTGCTACATATATGATTCTGCTAGTGGCTACTATTA	2500
	G G G R N S D W S S D T N R Q Q G Q Q S S S D C Y I Y D S A S G Y Y Y	
801	VGACCCCTFGCAGGAACCTTATTATGACCCCAATACCCAGCAAGAAGCTATGTGCCCCAGGATCTGGATTACCTGAGGAAGAAGAGATCAAGGAAAAA	2600
	D P L A G T Y Y D P N T Q Q E V Y V P Q D P G L P E E E I E E L	
834	AAACCCACCAAGTCAAGGAAGTCAAGTAGCAAGAGGAAATGTCTAAAGAGATGGCAAGGAGGAAAAAAGACAGAGGAGTCAGAGGTTTCAGGAAAAATC	2700
	K P T S Q G K S S S K K E M S K R D G K E K K D R G V T R F Q E N	
867	CCAGTGAAGGAAGGCCCTGCAGAAGACGCTCTTTAAGAAGCCTCCTGCTCCTACTGTGTGAAGAAGAGAGAGTCCCCCTCCACCTAAAGTGGTAACC	2800
	A S E G K A P A E D V F L K P L F P T V K K E E S P P P P K V V H I	
901	ACTGATCGGCCTCTTGGTGAAATAGGACGAGACAGTCACTATGAGGAGGAAGAAGAGGAGAACAGACCCCTCCCCACAGCCCCGCACAGCACAGCCC	2900
	L I G L L G E Y G G D S D Y E E E E E E Q T P P P Q P R T A Q P	
934	CAGAAGCGAGGAGCAAAACCAAGAAGGAGAATGAAGAACAACCTCACTGACTGGAATAAACTGGCTTGTCTGTTGTCAGAAGGCAGTTTCCCCAATA	3000
	Q K R E E Q T K K E M E E D K L T D W N K L A C L L C R R Q F P N	
967	AAGAAGTTCGATCAAAACACCAGCAGCTGTCAGACCTGCACAAGCAAAACCTGGAAATCCACCGGAAGATAAAACAGTCTGAGCAGGAGCTAGCCATCT	3100
	K E V L I K R Q Q L S D L H K Q N L E I H R K I K Q S E Q E L A Y L	
1001	GGAAAGGAGAGAACGAGGGAAGTTTAAACGAAGGAAATCATCCCAGGGAAGAAAGTCCAGTCTTTTGACTCTCCAGAAAGGAACGGATTAAAGTAC	3200
	E R R E R E G K F E G R D D D R R E K L Q S F D S P E R K R I K Y	

**Fig. 2-3**





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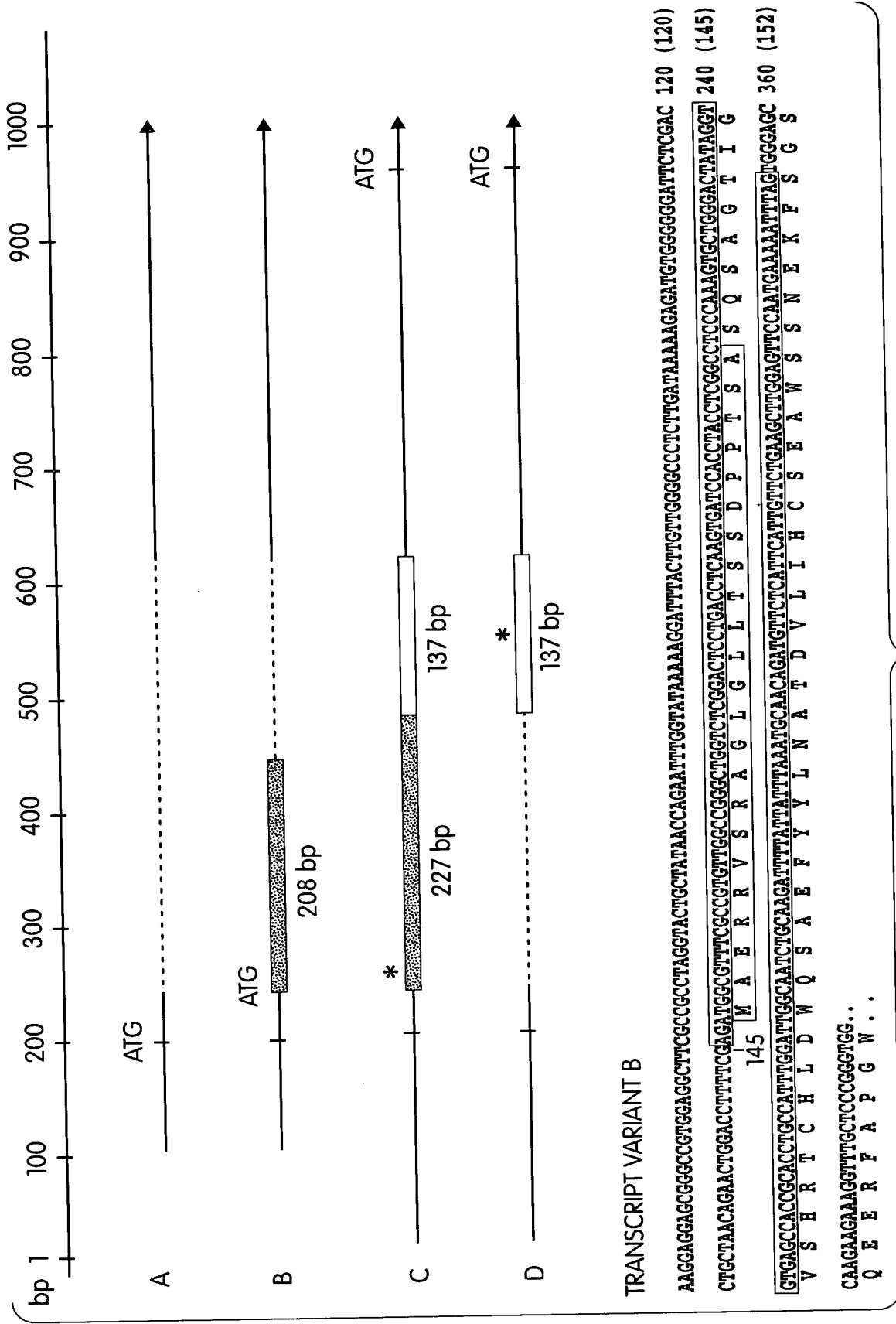


Fig. 3A



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227bp exon:  
GACTGGGTGAAAGCTTTTCTGCAGCAGTCATGTTAAACCTTGTGTGACTTTCCTCGTGTCTGAAACTAAC  
AGAACTGGACCTTTTCGGACTGGGTGAAAGCTTTTCTGCAGCAGTCATGTTGAAACCTTGTGTGACTTTCCTT  
CGTGTCTGAAATGGGAGCATAAAGTTTACTCCGCCACTTCGTCTTAAATAGCAAACTTTTGTGTGCTGCTGTCAG

137bp exon:  
ATCTAGGACCTTGTACAGAACTCTGCCAAAAAAATGTTTACAGAAATGTGCTGTGATTAGAGAAGAATA  
TGCTGGTGTGTAGATTTCAAACTCTCTGGACAATATGAATAACACTGTCTTTGTTCTTACAG

Fig. 3B



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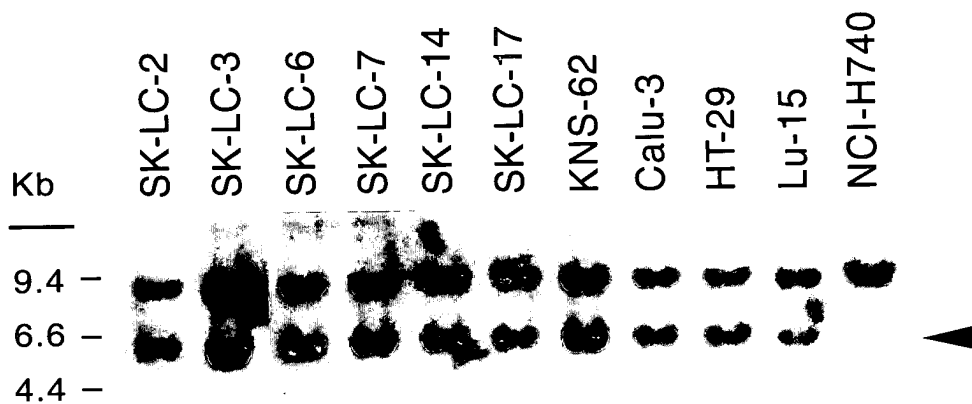
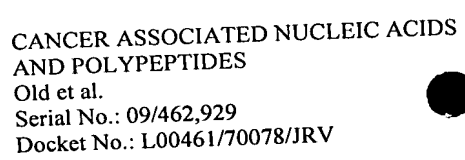


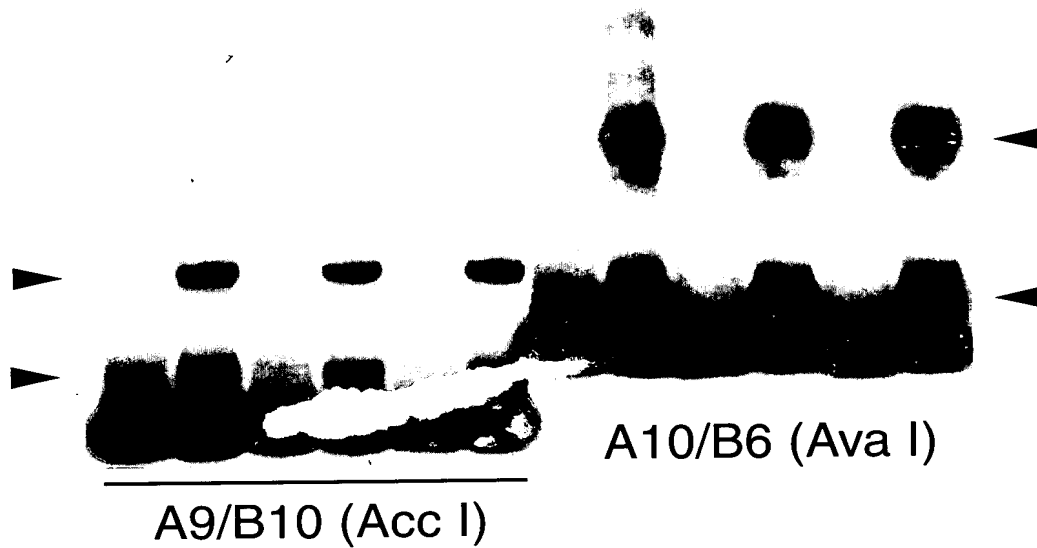
Fig. 4





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'	]	LUNG
+	]	(Normal)
'	]	LUNG
+	]	(Lu15)
'	]	TUMOR
+	]	(Lu15)
'	]	LUNG
+	]	(Normal)
'	]	LUNG
+	]	(Lu15)
'	]	TUMOR
+	]	(Lu15)



**Fig. 5**